* Some of the contents in this manual may differ from your phone, depending on the software installed or your service provider.

SAMSUNG

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SAMSUNG ELECTRONICS



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Impo an Saf Ca on

Read these guidelines before using your mobile phone. Failure to comply with them may be dangerous or illegal. For more detailed safety information, see “Health and Safety Information” on page 135.

Road Saf a m

Do not use a hand-held phone while driving; park the vehicle first.

S/ .h n ff h n R f n

Do not use the phone at a refuelling point (service station) or near fuels or chemicals.

S/ .h n ff n .af

Mobile phones can cause interference. Using them in aircraft is both illegal and dangerous.

S/ .h n ff n H o p a

Switch off your phone near medical equipment. Follow any rules or regulations in force.

In f n.

All mobile phones may be subject to interference, which may affect their performance.

Sp .a R on

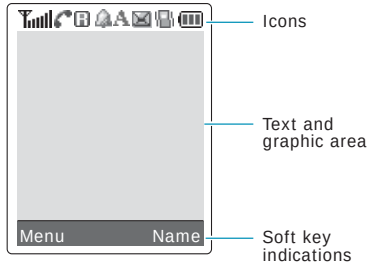
Meet any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

K	D p on *(continued)*
	Makes or answers a call. *When held down in idle mode*, recalls the last number dialled or received. *In the menu facility*, selects a menu option or stores information that you have entered (such as a name) in the phone or SIM memory.
	Ends a call. *When held down*, switches the phone on and off. *In the menu facility*, cancels your input and returns to the idle mode.
1	*When held down in idle mode*, accesses your voice mail.
0 + ~ 9 wxyz	Enter numbers, letters and some special characters.
*	Enter special characters.
#	Perform various functions.
	(on the side of the phone) During a call, adjust the earpiece volume. *In idle mode*, adjust the key volume. *In the menu facility*, scroll through the menu options and phonebook memory.

D p

D p La o

The display comprises three areas.



a	D p on
First line	Displays various icons (see page 14).
Middle lines	Display messages, instructions and any information that you enter (number to be dialled, for example).
Last line	Shows the functions currently assigned to the two soft keys.

.on

.on D . p on	
	Shows the received signal strength. The greater the number of bars, the better the signal strength.
	Appears when a call is in progress.
	Appears when you are connected to the GPRS network.
	Appears when the silent mode is active or you set the p menu option (n **3.3**), so that the phone vibrates when you receive a call; for further details, see pages 28 and 79.
	Appears when a new text message has been received.
	Appears when a new voice mail message has been received.
	Appears when you are entering text to indicate the current text input mode.
	Appears when you turn the FM radio on.
	Appears when you set the alarm.
	Shows the level of your battery. The more bars you see, the more power you have left.
	Appears when the IrDA port is active. For details, see page 83.

.on D . p on *(continued)*	
	Appears when the mute mode is active.
	Appears when you are out of your home area and have registered with a different network; for example, when travelling in other countries.

.k h

The display and keypad are illuminated by a backlight. When you press any key or open the phone, the backlight turns on and remains on for a given period of time, depending on the .k L h menu option (n **4.7.2**). Then it dims and finally turns off after one minute.

To specify the length of time for which the backlight is active, set the .k L h menu option (n **4.7.2**); see page 89 for further details.

You can also set the phone to use the backlight only during a specified period of time, via the o L h menu option (n **4.7.3**); see page 90 for further details.

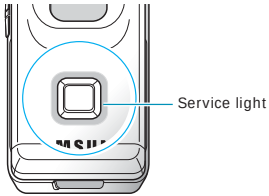
E/ na D p

Your phone has an external display on the cover. It indicates that you have an incoming call or a message, and when you have set an alarm, notifies you at the specified time.

L h

The service light is below the external display on the phone cover. It flashes when services are available on the phone.

To activate or deactivate use of the service light, set the L h menu option (n **4.7.4**); see page 90 for further details.



G n

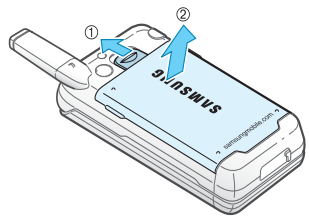
In h I

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, any optional services available and so on.

Impo an ! The plug-in SIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling, inserting or removing the card.

Keep all SIM cards out of the reach of small children.

1. If necessary, switch off the phone by holding down the key until the power-off image is displayed.
2. Remove the battery. To do so:
   - ① Pull the battery lock above the battery toward the top of the phone and hold it in that position.
   - ② Lift the battery away, as shown.



G

2. d AC wall outlet.

3 nnect the
nd from the
on both side
nnector o

he battery
is ging without
ter. I u do so, the
amaged.

Lo/ Ba d Ca o

When the batt s weak and o w minutes of
talk time re u will hear a ning tone and
a message peated at r ular intervals on
the displa

When th omes weak for the phone
to ope off natically.

Call function

Making a call

When the idle screen is displayed, key in the area code and phone number, and press the key.

Note: If you have checked the **Redial** option in the **Settings** menu (**Menu 4.8**), the number is redialled automatically up to ten times when the person does not answer the call or is already on the phone; see page 91 for further details.

Making an International call

1. Press and hold down the **0** key. The **+** character appears.
2. Key in the country code, area code and phone number and press the key.

Correcting the Number

To delete...	Then...
The last digit displayed	Press the key.
Any other digit in the number	Press the Left or Right key until the cursor is immediately to the right of the digit to be cleared. Press the key. You can also insert a missing digit simply by pressing the appropriate key.
The whole display	Hold down the key for more than one second.

Ending a call

When you have finished your call, briefly press the key.

Redialling the Last Number

The phone stores the numbers you dialled, received or missed if the callers are identified; see “Call Records” on page 74 for further details.

To recall any of these numbers, proceed as follows.

1. If you have typed any characters on the display, clear the display by holding down the key for more than one second.
2. Press the key to display a list of the last numbers in the order in which the calls were made.
3. Use the Up and Down keys to scroll through the numbers until the required number is highlighted.
4.

To...	Then...
Dial the number highlighted	Press the key.
Edit the number highlighted	Press the **Options** soft key, select the **Edit Number** option and change the number as required.
Delete the number highlighted	Press the **Options** soft key and select **Delete**.
Delete all numbers in the list	Press the **Options** soft key and select **Delete All**. For details, see page 76.

/ n

If you are unable to answer a call for any reason, you can find out who was calling you, provided that this service is available. In this way, you can call the person back, if necessary.

The number of missed calls is displayed on the idle screen immediately after a call was missed.

To view the missed call immediately, proceed as follows.

1. If the phone is closed, open it.
2. Press the / soft key.

   The number corresponding to the most recent missed call is displayed, if available.

3.

o...	h n p h ...
Scroll through the missed calls	Up or Down key.
Call the number displayed	key.
Edit or delete a missed call number	soft key (see next page).

Ed n a m

No : If the number corresponding to the missed call is not available, the **Ed m** option is not displayed.

1. Press the **p on** soft key.
2. Press the Up or Down key to highlight the **Ed m** option.
3. Press the soft key.
4. Change the number as required.
5.

o...	h n p h ...
Call the number	key.
Store the number	soft key and enter the name and location required (for further details, refer to page 31).

D n a

1. Press the **p on** soft key.
2. If necessary, press the Up or Down key to highlight the **D** option.
3. Press the soft key.

You can press the key at any time to exit the Missed Call feature.

No : You can access the Missed Call feature at any time by selecting the menu option (**n 2.1**); for further details, see page 74.

Switching to the Silent Mode

The silent mode is convenient when discretion is required and you wish to stop the phone from making any noise, in a theatre for example.

In idle mode, to switch your phone quickly to the silent mode, simply press and hold down the # key until the “Silent Mode” message and vibration icon ( ) are displayed.

In the silent mode, your phone changes the sound settings as follows.

Option	New Setting
Alert Type (**3.3**)	Vibration
Keypad Tone (**3.4**)	Off
Message Tone (**3.5**)	Light Only
Folder Tone (**3.6**)	Off
Power Off	Off
Error Tone (**3.8.1**)	Off

To exit the silent mode and reactivate the previous sound settings, press and hold down the # key again until “Exit Silent Mode” appears. The vibration icon ( ) is no longer displayed.

Customising your phone

Your phone offers a set of functions that allow you to customise your phone. These functions are arranged in menus and sub-menus, accessed via the two soft keys marked [...] and [...]. Each menu or sub-menu allows you to view and alter the settings of a particular function.

The roles of the soft keys vary according to the current context; the label on the bottom line of the display just above each key indicates its current role.

Example:



Press the left soft key to access the menu facility.

Press the right soft key to access the Phonebook feature.

Selection and operation

To view the various functions/options available and select the one required, proceed as follows.

1. Press the appropriate soft key.
2.

To...	Then press the ...
Select the: • Function displayed or • Option highlighted	Select soft key or the Right key.
View the next function or highlight the next option in a list	Down key or ▼ key on the left side of the phone.
Move back to the previous function or option in a list	Up key or ▲ key on the left side of the phone.
Move back up one level in the structure	Left key, Back soft key or C key.
Exit the structure without changing the settings	⏻ key.

In some functions, you may be asked for a password or PIN. Enter the required code and press the **OK** soft key.

Phonebook

You can store phone numbers and their corresponding names in the memory of your SIM card. In addition, you can store up to 500 numbers in the phone memory. The SIM card and phone memories, although physically separate, are used as if they were a single entity, called the phonebook.

Storing a Name and Number

There are two ways to store a number:

- Using the Store soft key in idle mode
- Using the Names / Enter option in the phonebook menu

Storing a Number in Idle Mode

As soon as you start to enter a number, Store appears above the left soft key to allow you to store the number in the phonebook.

1. Key in the number to be stored.

   Note : If you make a mistake while entering a number, correct it using the C key. For further details, refer to page 22.

2. When you are sure that it is correct, press the Store soft key.
3. Select an icon to identify the category of the number to be stored. Three categories are available:

   Mobile phone number

   Office number

   Home number

   To select the category, press the Left or Right key, followed by the Select soft key.

4. Choose a memory, either I or hon , by pressing the Up or Down key and press the soft key.

   No : If you change phones, any numbers stored in your SIM card memory will automatically be available with the new phone, whereas any numbers stored in the phone memory must be stored again.

5. Enter a name and press the K soft key.

   The maximum length of a name depends on your SIM card. For information on how to enter characters, see page 42.

   The phone now displays the first free location in the selected memory. If that memory is full, the first free location in the other memory is displayed.

6. If you do not want to save the number and name in the suggested location, press the key to clear the location number and enter your preferred location by pressing the number keys.

7. Press the K soft key to store the name and number.

   After storing, the phone displays the phonebook entry or name just created.

8.

o...	h n p h ...
Use the entry options	p on soft key.
Return to the idle screen	key.

o n a m n h hon ook n

1. When the idle screen is displayed, press the am soft key.
2. Scroll to / En by pressing the Up or Down key and press the soft key.
3. Select an icon to identify the category of the number to be stored.

   No : The E-mail icon ( ) is available in this step. It allows you to save an E-mail address instead of a phone number.

4. Choose a memory, either I or hon , by pressing the Up or Down key and press the soft key.

   No : If you change phones, any numbers stored in your SIM card memory will automatically be available with the new phone, whereas any numbers stored in the phone memory must be stored again.

5. Enter a name and press the K soft key.

   The maximum length of a name depends on your SIM card. For information on how to enter characters, see page 42.

6. Enter the number or E-mail address and press the soft key.
7. If you do not want to save the number and name in the suggested location, press the key to clear the location number and enter your preferred location by pressing the number keys.
8. Press the K soft key to store the name and number.

   After storing, the phone displays the phonebook entry or name just created.

9.

o...	h n p h ...
Use the entry options	p on soft key.
Return to the idle screen	key.

U n hon ook En p on

While accessing any phonebook entry, press the p on soft key to use the options for the entry.

o...	h n p h ...
Select the highlighted option	soft key or the Right key.
Highlight a different option	Up or Down key until the required option is highlighted.

The following options are available.

: allows you to paste the selected number into the normal dialling mode. Use this option to dial a number similar to one in the phonebook, a different extension in the same office, for example.

Use the key to change the number as required; refer to page 22 for further details. When you are ready to dial, press the key.

Ed : allows you to edit the phonebook entry. Select n En to change one of the numbers associated with the selected name. If you then change the name, the number is saved separately. Select En to change the name assigned to the entry.

D : allows you to delete the selected name and number(s) from the phonebook. You are asked to confirm that you wish to delete the name and number(s) by pressing the soft key.

op : allows you to copy the selected number to another location. Use this option to store a number similar to one already in memory; select the location for the new number. Once copied, edit the name and number.

G o p: allows you to assign the entry to a caller group so that the phone alerts you in a particular way when the corresponding person calls you. Select one of the ten groups available.

To remove an entry from a group, select the o G o p option.

For more information on how to change caller group properties, see page 37.

En : allows you to add a new number in a category (mobile, office, home or E-mail) to the currently selected name.

h n fo and D a m n h hon ook

After storing numbers in the phonebook, you can search for them in two ways:

- By name
- By caller group

h n fo m am

1. When the idle screen is displayed, press the am soft key.

2. Press the soft key when is highlighted. You are asked to enter a name.

3. Enter the start of the name that you wish to find.

   The phonebook entries are listed, starting with the first entry matching your input. This entry is also highlighted.

4.

o...	h n p h ...
View the high-lighted entry	soft key.
Select a different entry	Up or Down key until the required entry is high-lighted.
Look for a name starting with a different letter	key to clear the letters already entered and then press the key labelled with the required letter.

5. Once you have found the required entry, press the key to dial the number, or press the **p on** soft key to access the phonebook entry options; for further details, see page 34.

h n fo m G o p

1. When the idle screen is displayed, press the **am** soft key.

2. Scroll to **G o p h** by pressing the Up or Down key and press the soft key.

3. Scroll to the required group by pressing the Up or Down key and press the soft key.

   The phonebook entries in the selected caller group are listed.

4.

o...	h n p h ...
View the high-lighted entry	soft key.
Select a different entry	Up or Down key until the required entry is highlighted.

5. Once you have found the required entry, press the key to dial the number, or press the **p on** soft key to access the phonebook entry options; for further details, see page 34.

E n a G o p

1. When the idle screen is displayed, press the **am** soft key.

2. Scroll to **G o p E** by pressing the Up or Down key and press the soft key.

3. Scroll through the group list by pressing the Up or Down key.

4. When the required group is highlighted, press the **p on** soft key.

5. Select each option and change the settings, as required. The following options are available.

   n on : allows you to select the ring tone to be used when you receive a voice call from a person in the group.

   on : allows you to select the ring tone to be used when you receive a text message from a person in the group.

   Graph : allows you to select the graphic icon to be displayed when you receive a voice call from a person in the group.

   Group Name : allows you to assign a name to the group; for information on how to enter characters, see page 42.

6. When you have finished, press the or key.

p -D n

Once you have stored phone numbers in the SIM card, you can set up to eight speed-dial entries and then dial them easily whenever you want, simply by pressing the associated number key.

n p p -D En

1. When the idle screen is displayed, press the Name soft key.

2. Scroll to p D by pressing the Up or Down key and press the soft key.

3. Select the key to which you wish to assign the speed-dialling feature (keys **2** to **9**) and press the **K** soft key.

   No : If you have already assigned a number to the key, the p on soft key replaces the **K** soft key. Go to Step 6.

4. Select the required phonebook entry from the list and press the soft key.

5. Select the required number if the entry has more than one number, by pressing the Up or Down key and press the soft key.

6. Once you have assigned a number to the selected key, four options are available when you press the p on soft key.

   han : allows you to assign a different number to the key.

   D : allows you to clear the setting so that no number is assigned to the key.

   D i allows you to clear the settings for all keys so that no numbers are assigned to any of the keys.

   m : allows you to view the number assigned to the key.

7. When you have finished, press the or key.

p -D n f om h hon ook

To speed-dial the numbers assigned to keys **2** to **9**, press and hold down the appropriate key.

No : Memory location 1 is reserved for your Voice Mail server number.

D n hon ook En

You can delete all entries in either the phone or SIM card memory or in both memories together.

1. When the idle screen is displayed, press the **N am** soft key.
2. Scroll to **D** by pressing the Up or Down key and press the soft key.
3.

o...	h n p h ...
Select the memory(ies) to be cleared	**a k** soft key.
Cancel the selection	**nma k** soft key.
Delete all entries in the selected memory(ies)	**D** soft key.

4. Enter the phone password and press the **K** soft key.

   N o : The password is preset to 00000000. To change it, see page 87.

5. When the confirmation message is displayed, press the soft key.
6. When you have finished, press the or key.

ch .k n h mo a

You can check how many names and numbers are stored in the phonebook (SIM card and phone memories) or how many free locations remain.

1. When the idle screen is displayed, press the **N am** soft key.
2. Select the **mo a** option by pressing the Up or Down key and press the soft key.
3. Press the Up or Down key to view the number of entries in the card and phone memories in relation to the total capacity of each memory.
4. When you have finished checking, press the or key.

En n /

When using your phone, you will often need to enter text. For example, when storing a name in the phonebook, creating your personal greeting or scheduling events in your calendar. You can enter alphanumeric characters by using your phone's keypad.

You are provided with the following text input modes.

- **9 mod**

  This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter – when you press the **5** key once, J, K or L may be displayed. The T9 mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word, thus requiring far fewer keystrokes than the traditional upper/lower-case character modes.

- **pp /-o/ -a .ha a. mod**

  These modes allow you to enter letters by pressing the key labelled with the required letter once, twice, three or four times until the letter is displayed.

- **m o- mod**

  This mode allows you to enter symbols, such as punctuation marks.

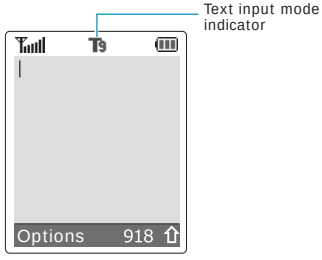
- **m mod**

  This mode allows you to enter numbers.

han n h / Inp od

When you are in a field that allows characters to be entered, you will notice the text input mode indicator in the display.

Example: Writing a text message



o -. h ...	h n p h of k n -.
T9 mode	T9 is displayed. See page 44.
Upper-case character mode	A is displayed. See page 46.
Lower-case character mode	a is displayed. See page 46.
Symbol mode	※ is displayed. See page 47.
Number mode	1 is displayed. See page 47.

U n h 9 o

The T9 predictive text input mode allows you to key in any character using single keystrokes. This text input mode is based on a built-in dictionary.

1. When you are in the T9 predictive text input mode, start entering a word by pressing keys **2** to **9**. Press each key only once for one letter.

   Example: To enter *HELLO* in the T9 mode, press **4**, **3**, **5**, **5** and **6** keys.

   The word that you are typing appears in the display. It may change with each key that you press.

2. Enter the whole word before editing or deleting the keystrokes.

3. If the word is correct, start entering the next word.

   Otherwise, press the **0**, Up or Down key repeatedly to display alternative word choices for the keys that you have pressed.

   Example: Both *OF* and *ME* have the sequence **6**, **3**. The phone displays the most commonly used choice first.

4. Complete each word with a space by pressing the # key.

- To type words not found in the T9 mode, change the text input mode to the upper/lower-case character input mode.

- To enter full stops, hyphens or apostrophes, press the **1** key. The T9 mode applies grammar rules to ensure that the correct punctuation is used.

  Example: **1** is used twice to display two punctuation marks:

- To change the case in the T9 mode, use the key. There are two cases:

  Lower case

  Upper case

- You can move the cur3e-7usring theLeft(and)] TJ-0.5161 -

n h pp /Lo/ -ca cha ef. o

Use the **1** to **9** keys to enter your text.

1. Press the key labelled with the required letter:
   - Once for the first letter
   - Twice for the second letter
   - And so on
2. Select the other letters in the same way.

No : The cursor moves to the right when you press a different key. When entering the same letter twice or a different letter on the same key, just wait for a few seconds for the cursor to move right automatically, and then select the next letter.

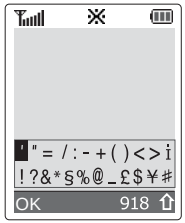
Refer to the table below for more information about the characters available.

K	cha ef. n h D p pp ca	Lo/ ca
1	Space . 1 ! ? & ¡ ¿ §	. % @ _ £ $ ¥ ¤ §
2	A B C 2 Ä Å Æ Ç Γ	a b c 2 à ä åæ Γ
3	D E F 3 É Δ Φ	d e f 3 è é Φ
4	G H I 4 Θ Ψ	g h i 4 ì Ψ
5	J K L 5 Λ	j k l 5 Λ
6	M N O 6 Ñ Ø Ö ö	m n o 6 ñ ø ò ö
7	P Q R S 7 Π Σ Ξ	p q rs 7 ß Σ Ξ
8	T U V 8 Ü ü	t u v 8 ù ü
9	W X Y Z 9 Ω	w x y z 9 Ω
0	0 * # , ; ‘ “ =	/ : - + ( ) < >

- To insert a space, press the # key.
- You can move the cursor by using the Left and Right keys. To delete letters, press the ↶ key. Press and hold down the ↶ key to clear the display.

n h m o o

The Symbol mode enables you to insert symbols in a text message.



Use the navigation keys to scroll to the required symbol and then press the **K** soft key to insert the highlighted symbol into your message.

n h No m o

The Number mode enables you to enter numbers in a text message (a telephone number for example). Press the keys corresponding to the required digits before manually switching back to the appropriate text input mode.

p on D n a

Your phone provides a number of control functions that you can use during a call.

n a on H o

You can place the current call on hold whenever you want. You can make another call while you have a call in progress if this service is supported by the network. Of these two calls, one is active and the other is on hold and you can swap between the calls.

To place a call on hold, simply press the **H o** soft key. You can reactivate the call whenever you want, by pressing the **nho** soft key.

To make a call while you have a call in progress, proceed as follows.

1. Key in the phone number that you wish to dial or look it up in the phonebook.
2. Press the key to dial the second call.

   The first call is automatically put on hold.

Or alternatively, proceed as follows.

1. Put the current call on hold by pressing the **H o** soft key.
2. Make the second call in the normal way.

To swap between the two calls, simply press the **ap** soft key.

The current call is placed on hold and the call on hold is reactivated so that you can continue conversing with the other party.

When you have finished, end each call normally by pressing the key.

h n h ophon ff ( )

You can temporarily switch your phone's microphone off, so that the other party cannot hear you.

Example: You wish to say something to another person in the room but do not want the other party to hear you.

To switch the microphone off temporarily, proceed as follows.

1. Press the **p on** soft key.
2. If necessary, press the Down key to highlight the option.
3. Press the **K** soft key.

   The other party can no longer hear you.

To switch the microphone back on, proceed as follows.

1. Press the **p on** soft key.
2. If necessary, press the Down key to highlight the **nm** option.
3. Press the **K** soft key.

   The other party can hear you again.

n /s nd n K on

These options allow you to turn the key tones off or on. If the k option is selected, your phone does not transmit the key tones. It allows you to press keys without hearing annoying key tones during a call.

N o : To communicate with answering machines or computerised telephony systems, the s nd k option must be selected.

s nd n D on

You can send the DTMF (dual tone multi-frequency) tones corresponding to a number entered during a call.

This option is helpful when submitting a password or account number to an automated system, like a banking service.

To send DTMF tones, proceed as follows.

1. When you are connected to the teleservice system, press the p on soft key.
2. Press the Down key to highlight the s nd D option.
3. Press the K soft key.
4. Enter the number you wish to send and press the K soft key.
   The tones corresponding to the number displayed are sent.

N o : You can also search for a number in the phonebook by pressing the N am soft key. For a more detailed description of the Phonebook feature, refer to page 31.

s a ch n fo a N m n h hon ook

You can search for a number in the phonebook during a call.

1. Press the p on soft key.
2. Press the Down key to highlight the hon ook option.
3. Press the K soft key.
   The phonebook entries are listed.
4. Enter the name that you wish to find.
   If you enter the start of the name, the phonebook entries are listed, starting with the first entry matching your input. The entry is also highlighted.
5. To view the highlighted entry, press the / soft key.

For a more detailed description of the Phonebook feature, refer to page 31.

U n h s s ' .

If you receive an SMS (Short Message Service) message during a call, the message icon ( ) flashes in the display. The s s ' . option enables you to use this feature.

For further details on the SMS service, refer to page 62.

n / n a s .ond

You can answer an incoming call while you have a call in progress, if this service is supported by the network and you have set the a n menu option (**n 6.3**) to . ' a (see page 107). You will be notified of an incoming call by a call waiting tone.

To answer a call while you have a call in progress, proceed as follows.

1. Press the key to answer the incoming call. The first call is automatically put on hold.
2. To switch between the two calls, press the **/ ap** soft key.

   To end a held call, press the **p on** soft key and select the **End H ▼ ** option.
3. To end the current call, press the key.

ak n a pa

A multiparty call is a network service that allows up to six people to take part simultaneously in a multiparty or conference call. For more information, contact your service provider.

s n p h pa

1. Call the first participant in the normal way.
2. Call the second participant in the normal way. The first call is automatically put on hold.
3. To join the first participant to the multiparty call, press the **p on** soft key and select the **o n** option.
4. To add a new person to the multiparty call, call the person in the normal way, then press the **p on** soft key and select the **o n** option.

You can add incoming callers by answering the call and pressing **p on** , followed by **o n**. Repeat as required.

H a n a ' a con a on h n a .pan

1. Press the **p on** soft key and choose the **s . on** option.

   The list of call participants appears.
2. Highlight the required person, by pressing the Up or Down key, followed by the **s .** soft key or the key.

3. Select the ′a option.

   Now you can talk privately with that person. The other participants can continue to converse with each other.

4. To return to the multiparty call, press the **p on** soft key and select **o n**.

   All of the multiparty call participants can now hear each other.

D opp n n a pan

1. Press the **p on** soft key and choose the **on** option.

   The list of call participants appears.

2. Highlight the required person, by pressing the Up or Down key, followed by the soft key or the key.

3. Select **R mo** .

   The call is ended with that participant, but you can continue to talk with the other participants.

4. End the multiparty call by closing the phone or pressing the key.

n h n

The phone offers a range of functions that allow you to tailor the phone to your needs. These functions are arranged in menus and sub-menus.

The menus and sub-menus can be accessed by scrolling with the navigation keys or by using the shortcuts.

n n n on o n

1. In idle mode, press the **n** soft key to access the menu facility.
2. Scroll with the Up and Down keys to reach the required main menu, **hon n** for example. Press the soft key or the Right key to enter the menu.
3. If the menu contains any sub-menus, **Lan a** for example, you can access them by scrolling with the Up and Down keys and pressing the soft key.

   If the menu that you have selected contains further options, repeat this step.

4.

o...	**h n p h ...**
Scroll through the menus	Up or Down key or use the ▲ and ▼ keys on the left side of the phone.
Confirm the chosen setting	soft key or the Right key.
Return to the previous menu level	soft key or the Left key.
Exit the menu without changing the settings	key.

U n n n on n ho

The menu items (menu, sub-menus and options) are numbered and can be accessed quickly by using their shortcut number. The shortcut number is shown in the bottom right next to the soft key on the display. Simply press the n soft key and key in the required number.

No : The numbers assigned to each menu option are indicated in the list on page 57. They may not match the menu number on the phone. It depends on the services supported by your SIM card.

Example: Accessing the **Lan a** option.

1. Press the **n** soft key.
2. Press **4** for **hon n** .
3. Press **5** for **Lan a** .

   The languages available are displayed directly.

L of n n on

The following list shows the menu structure available and indicates the:

- Number assigned to each option
- Page on which you can find a description of each feature

No : If you use a SIM AT card that provides additional services, the **I** menu is displayed first when you press the **n** soft key to enter the menu facility. For further details, refer to your SIM card documentation.

1. a (pa 62)

- 1.1 Inbox
- 1.2 Outbox
- 1.3 Write New
- 1.4 Templates
- 1.5 Settings
  - 1.5.1 Setting 1*
  - 1.5.2 Setting 2*
  - 1.5.3 Setting 3*
  - 1.5.4 Setting 4*
  - 1.5.5 Setting 5*
  - 1.5.6 Common Setting
- 1.6 Delete All
- 1.7 My Objects
  - 1.7.1 My EMS Melody
  - 1.7.2 My EMS Picture
  - 1.7.3 My EMS Animation
  - 1.7.4 Delete All
- 1.8 Memory Status
  - 1.8.1 SIM memory
  - 1.8.2 PHONE memory
  - 1.8.3 CB memory
- 1.9 Voice Mail
  - 1.9.1 Connect to Voice Server
  - 1.9.2 Voice Server Number
- 1.10 Broadcast
  - 1.10.1 Read
  - 1.10.2 Receive
  - 1.10.3 Channel List
  - 1.10.4 Language

2. a R o (pa 74)

- 2.1 Missed Calls
- 2.2 Received Calls
- 2.3 Dialled Calls
- 2.4 Delete All

* Shown only if supported by your SIM card.

2. Call Register *(continued)*

- 2.5 Call Time
  - 2.5.1 Last Call Time
  - 2.5.2 Total Sent
  - 2.5.3 Total Received
  - 2.5.4 Reset Timers
- 2.6 Call Cost*
  - 2.6.1 Last Call Cost
  - 2.6.2 Total Cost
  - 2.6.3 Max Cost
  - 2.6.4 Reset Counters
  - 2.6.5 Set Max Cost
  - 2.6.6 Price/Unit

3. Sound Setup (pg 78)

- 3.1 Ring Tone
- 3.2 Ring Volume
- 3.3 Alert Type
  - 3.3.1 Light only
  - 3.3.2 Melody
  - 3.3.3 Vibration
  - 3.3.4 Vibra+Melody
- 3.4 Keypad Tone
  - 3.4.1 Off
  - 3.4.2 Cool
  - 3.4.3 Piano
  - 3.4.4 Tone
  - 3.4.5 Beep
- 3.5 Message Tone
  - 3.5.1 SMS Tone
  - 3.5.2 SMS-CB Tone
- 3.6 Folder Tone
  - 3.6.1 Off
  - 3.6.2 Future
  - 3.6.3 Crystal
- 3.7 Power On/Off
  - 3.7.1 Off
  - 3.7.2 Classical
  - 3.7.3 Cheerful
- 3.8 Extra Tones

4. Phone Setup (pg 83)

- 4.1 Infrared Activate
- 4.2 My Settings
  - 4.2.1 Wallpaper
  - 4.2.2 Menu Style
- 4.3 Greeting Message
- 4.4 Own Number
  - 4.4.1 Number 1
  - 4.4.2 Number 2
  - 4.4.3 Number 3
- 4.5 Language
- 4.6 Security
  - 4.6.1 PIN Check
  - 4.6.2 Change PIN
  - 4.6.3 Phone Lock
  - 4.6.4 Change Password
  - 4.6.5 SIM Lock
  - 4.6.6 FDN Mode*
  - 4.6.7 Change PIN2*
- 4.7 Display Settings
  - 4.7.1 Brightness
  - 4.7.2 Back Light
  - 4.7.3 Auto Light
  - 4.7.4 Service Light
  - 4.7.5 Graphic Logo
- 4.8 Extra Settings
- 4.9 Reset Settings

* Shown only if supported by your SIM card.

5. Organizer (page 93)

- 5.1 Calendar
- 5.2 To Do List
- 5.3 Time & Date
  - 5.3.1 Set Time
  - 5.3.2 Set Date
  - 5.3.3 World Time
  - 5.3.4 Time Format
- 5.4 Alarm
  - 5.4.1 Once Alarm
  - 5.4.2 Daily Alarm
  - 5.4.3 Morning Call
  - 5.4.4 Remove Alarm
  - 5.4.5 Autopower
- 5.5 Calculator
- 5.6 Currency Exchange

6. Network Services (page 103)

- 6.1 Call Diverting
  - 6.1.1 Divert Always
  - 6.1.2 Busy
  - 6.1.3 No Reply
  - 6.1.4 Unreachable
  - 6.1.5 Cancel All
- 6.2 Call Barring
  - 6.2.1 All Outgoing
  - 6.2.2 International
  - 6.2.3 International Except to Home
  - 6.2.4 All Incoming
  - 6.2.5 Incoming While Abroad
  - 6.2.6 Cancel All
  - 6.2.7 Change Barring Password
- 6.3 Call Waiting
  - 6.3.1 Voice Calls
  - 6.3.2 Data Calls
  - 6.3.3 Cancel All
- 6.4 Network Selection
  - 6.4.1 Automatic
  - 6.4.2 Manual
- 6.5 Caller ID
  - 6.5.1 Default
  - 6.5.2 Hide Number
  - 6.5.3 Send Number

6. Network Services *(continued)*

- 6.6 Closed User Group
  - 6.6.1 Index List
  - 6.6.2 Outside Access
  - 6.6.3 Default Group
  - 6.6.4 Deactivate*
- 6.7 Band Selection
  - 6.7.1 GSM 900/1800
  - 6.7.2 GSM 1900

7. Fun & Games (page 112)

- 7.1 Games
  - 7.1.1 HoneyBall
  - 7.1.2 HamsterBox
  - 7.1.3 Bowling
- 7.2 WAP Browser
  - 7.2.1 Home
  - 7.2.2 Favorite
  - 7.2.3 http://
  - 7.2.4 Settings
  - 7.2.5 Clear Cache
  - 7.2.6 Push Message
- 7.3 Radio
- 7.4 Downloads
  - 7.4.1 Games & More
  - 7.4.2 Sounds
  - 7.4.3 Pictures
  - 7.4.4 DNS Setting

* Shown only if the Closed User Group feature is active.

a

The SMS (Short Message Service) function is a network service and may not be supported by your network. Messages can be sent by text, fax, E-mail and paging messaging systems, provided that these services are supported by your network. To send text messages by phone, you must obtain the number of the SMS centre from your service provider.

When the message icon ( ) appears, you have received new text messages. If the message memory is full, an error message is displayed and you cannot receive any new messages. Use the D ┐ option in your inbox and outbox to delete obsolete messages.

In o/ *(Menu 1.1)*

The inbox is used to store the messages that you have received.

When you select this menu, the list of messages in the inbox is displayed with the senders' phone numbers or names, if available in your phonebook.

1. Select the message you wish to read from the list and press the / soft key to view the message contents.
2. To scroll through the message, press the Up or Down key.
3. To scroll to the previous or next message, press the * or # key.

While reading a message, you can choose the following options by pressing the p on soft key.

D ┐ : allows you to delete the message.

s nd: allows you to resend the message. For further information on how to send a message, see page 65.

R p┐: allows you to reply to the sender by sending a text message.

[illegible]: allows you to call the sender back.

[illegible] : allows you to extract URL or E-mail addresses or phone numbers from the message text or the sender's phone number, so that you can save them in the phone memory.

o' o hon : allows you to move the message from the SIM card to the phone memory. This message is only available when you select a message stored in the SIM card.

o' o I : allows you to move the message from the phone memory to the SIM card. This message is only available when you select a message stored in the phone memory.

s ┐ [illegible] : allows you to save media objects, such as sounds or images, from the message into your phone. You can then use the objects when writing a message; for details, see page 66.

o/ *(Menu 1.2)*

The outbox is used to store the messages that you have already sent or will send.

When you select this menu, the list of messages in the outbox is displayed with the recipients' phone numbers or names, if available in your phonebook.

1. Select the message you wish to read from the list and press the / soft key to view the message contents.

2. To scroll through the message, press the Up or Down key.

3. To scroll to the previous or next message, press the * or # key.

While reading a message, you can choose the following options by pressing the **p on** soft key.

D : allows you to delete the message.

nd: allows you to (re)send the message. For further information on how to send a message, see page 65.

: allows you to extract URL or E-mail addresses or phone numbers from the message text or the destination phone number, so that you can save them in the phone memory.

o **o hon** : allows you to move the message from the SIM card to the phone memory. This option is only available when you select a message stored in the SIM card.

o **o I** : allows you to move the message from the phone memory to the SIM card. This option is only available when you select a message stored in the phone memory.

: allows you to save media objects, such as sounds or images, from the message into your phone. You can then use the objects when writing a message; for details, see page 66.

/ *(Menu 1.3)*

Via this menu, you can write and send a text message.

o : You can enter up to 918 alphanumeric characters for your message. If you add media objects to the message, the number of characters you can enter is decreased.

mp

1. Create your message as required.

   o : For information on how to enter characters, refer to page 42.

2. When you have completed your message, press the **p on** soft key. The following options are available.

   nd: allows you to send the message. The message will be deleted after sending.

   and nd: allows you to save a copy of the message in the specified memory and then send the message to the required destination. You can read the message in your outbox.

   : allows you to save the message to the specified memory so that it can be sent later. You can read the message in your outbox.

   For information about the / **o** **n** , , **mp** , **hon** **ook**, **Bookm k** and **Lan** options, see "Creating a Message Using the Options" on page 66.

3. Select **nd** or **and nd**, and press the soft key.

   If you just want to save the message, select . After saving the message, the phone returns to the menu.

4. Select the memory in which the message is to be saved and press the **K** soft key.

5. Enter a destination number and press the **K** soft key.

6. If you did not store the number of the SMS centre in the setting group activated in the **S n** menu option (**n 1.5**), enter it when prompted to do so and press the **K** soft key.

The message is sent.

N o : If the phone fails to send the message, it asks you if you want to retry. Press the **K** soft key to resend it. Otherwise, press the **E** soft key.

c a n a a U n h p on

1. Create your message as required.

2. Press the **p on** soft key.

3. Select one of the following options as required by using the Up and Down keys and pressing the **S l.** soft key.

/ o ma n : allows you to format the style of the text. For the **S** attribute, the **o ma La** and **Sma** sizes are available. For the **nd n** and **S k h o h** attributes, select **n** or **ff**. The attributes can be combined.

d . : allows you to add the required sound, melody, picture or animation to the message. Select the category of object to be added. In each category, you can select the various factory-set items or choose an item received from other sources, such as the Internet or other phones.

d mp : allows you to apply one of the preset message templates to the text. Select one of the five messages predefined via the **mp** menu option (**n 1.4**); for further details, see below.

d hon ook: allows you to insert a phonebook entry in your message. Select the appropriate entry in the list.

d Bookma k: allows you to add the address of a Web page stored in your Favourites list (**n 7.2.2**). Select the Web page from the list.

Lan a : allows you to change the language to be used in the T9 input mode. Select the language to be used.

4. Complete the message, and send or save it by following the procedure from Step 3 on page 65.

mp *(Menu 1.4)*

Using this menu, you can preset up to five messages that you use most frequently. Scroll through the template list using the Up and Down keys. When the required message template is highlighted, press the **p on** soft key.

The following options are available.

Ed : allows you to write a new message or edit the selected message.

N o : For information on how to enter characters, refer to page 42.

Send and Save: allows you to recall the selected message. Once you have completed the message, you can send, save and send, or simply save it. For details on how to send a message, see page 65.

Delete: allows you to delete the selected message. You are asked to confirm the deletion by pressing the soft key.

Settings (Menu 1.5)

Via this menu, you can set up default SMS information. A setting group is a collection of settings required to send messages. The number of setting groups available depends on the capacity of your SIM card.

None: The last setting group accessed is used automatically when you send a message.

Settings 1 (where 1 is the setting group number): each group has its own sub-menu.

Service Centre: allows you to store or change the number of your SMS centre required when sending messages. You must obtain this number from your service provider.

Default Destination: allows you to store the default destination number. The number will automatically be displayed on the Destination screen when you create a message.

Default Type: allows you to set the default message type (Text, Fax, E-mail and Paging). The network can convert the messages into the selected format.

Default Validity: allows you to set the length of time for which your text messages will be stored at the message centre while attempts are made to deliver them.

Setting Name: allows you to give a name to the setting group currently being defined.

Common Settings: the following options are available.

Reply Path: allows the recipient of your SMS message to send you a reply message via your message centre, if the service is provided by the network.

Delivery Reports: allows you to activate or deactivate the report function. When this function is activated, the network informs you whether your message has been delivered or not.

Bearer Selection: allows you to choose between GSM and GPRS.

Delete All (Menu 1.6)

This menu option allows you to delete all of the messages in each message box. You can also delete all of your messages at one time.

To	Push
Select a message box to clear	Up or Down key. To delete all of your messages, select All.
Place a check mark	Mark soft key.
Remove the check mark	Unmark soft key.
Delete the marked messages	Delete soft key.

When a confirmation message is displayed, press the soft key to confirm.

(Menu 1.7)

After saving any objects received in messages into your phone memory, using the option (see page 63), you can see the objects in this menu.

Three categories of objects are available:

- E
- E
- E n ma on

To delete a selected object, press the **D** soft key.

You can delete all objects using the **D** option (**n 1.7.4**).

o...	h n p h ...
Select a category of objects to be deleted	Up or Down key, followed by the **k** soft key. To delete all objects, select .
Cancel the selection	**nma k** soft key.
Delete the objects in the selected category(ies)	**D** soft key.

When the confirmation message is displayed, press the soft key to confirm.

mo *(Menu 1.8)*

This menu shows how many messages are currently stored in the SIM, phone and cell broadcast (CB) memories.

o *(Menu 1.9)*

This menu provides you with a way of accessing your voice mailbox (if provided by your network).

The following options are available.

onn o o : before using this feature, you must enter the voice server number(s) obtained from your service provider (see menu **1.9.2**). You can then select a server number from the list and press the **K** soft key to listen to your messages.

To quickly connect to the voice server, press and hold down the **1** key in idle mode.

o : allows you to change the voice mail server number, if necessary.

1. Select the location in which the number is to be stored using the Up or Down key and press the **K** soft key.
2. Press the **Ed** soft key.
3.

o...	h n p h ...
Enter the server number	Corresponding numeric keys.
Correct a digit	key.
Move the cursor to the left/right without clearing the digit	Left or Right key.

4. Save the number by pressing the **K** soft key.

o : Voice Mail is a network feature. Please contact your service provider for more information.

Broadcast *(Menu 1.10)*

This network service allows you to receive text messages on various topics, such as the weather or traffic. Messages are displayed immediately they are received, provided that:

- The phone is in idle mode
- The Reception option is set to Enable
- The message channel is currently active in the channel list

The following options are available.

Read: lets you view the message. Only displays the messages from the network, but loses its contents as soon as the phone is switched off. Scroll through the message using the Up and Down keys. While reading a message, press the Save soft key to store the message in the Text box for later retrieval.

Reception: allows you to enable or disable the reception of broadcast messages.

Channel list: allows you to indicate the channels from which you wish to receive broadcast messages. The following options are available.

Select: used to enable or disable channels in the list by marking or unmarking them respectively.

Add Channel: used to declare the ID and title for a new channel.

Delete: used to remove a channel from the list.

Edit: used to change the ID and title of an existing channel.

Language: allows you to select your preferred language to be used when displaying cell broadcast messages.

Please contact your service provider for more information.

Call records

Via this menu, you can view the:

- Missed, received or dialled calls
- Length of a call you made or received
- Cost of your calls

Note:

- You can access all numbers in the three types of call records by pressing the key in idle mode.
- The number of call records that the phone can store may vary, depending on your SIM card.

Missed calls *(Menu 2.1)*

This option lets you view the last 20 unanswered calls.

The number and name, if available, are displayed, together with the date and time at which the call was received. By pressing the **Option** soft key, you can:

- Delete the call from the list
- Edit the number, if available, and save it in the phonebook

You can also dial the number by pressing the key.

Received calls *(Menu 2.2)*

This option lets you view the last 20 phone calls answered.

The number and name, if available, are displayed, together with the date and time at which the call was received. By pressing the **Option** soft key, you can:

- Delete the call from the list
- Edit the number, if available, and save it in the phonebook

You can also dial the number by pressing the key.

Dialled calls *(Menu 2.3)*

This option lets you view the last 20 numbers dialled.

The number and name, if available, are displayed, together with the date and time at which the call was made. By pressing the **Option** soft key, you can:

- Delete the number
- Edit the number and save it in the phonebook

You can also dial the number by pressing the key.

Delete calls *(Menu 2.4)*

You can delete all numbers stored in each call record.

To...	Press the...
Select the type(s) of calls to be deleted	Up or Down key, followed by the **Mark** soft key.
Cancel the selection	**Unmark** soft key.
Delete all calls of the selected type	**Delete** soft key.

When the confirmation message is displayed, press the **Yes** soft key to confirm.

Call timers *(Menu 2.5)*

This option lets you view the timers for calls made and received.

Note : The actual time invoiced for calls by your service provider may vary, depending on network features, such as rounding-off for billing purposes.

The following timers are available.

Last call time : length of the last call.

Dialled time : total length of all calls made since the timer was last reset.

Received time: total length of all calls received since the timer was last reset.

Reset timers : option used to reset the call timers; you must first enter the phone password (see page 131) and then press the **OK** soft key.

Call costs * *(Menu 2.6)*

This feature lets you view the cost of calls. Depending on your SIM card, this menu option may not be shown.

The following timers are available.

Last call cost : cost of the last call made.

Total cost : total cost of all calls made since the cost counter was last reset. If the total cost exceeds the maximum cost set via the **Set max cost** option, you can no longer make any calls until you reset the counter.

Max cost : maximum cost set via the **Set max cost** option (see below).

Reset cost : option used to reset the cost counter; you must first enter your PIN2 (see page 133) and then press the **OK** soft key.

Set max cost : option used to enter the maximum cost that you authorise for your calls; you must first enter your PIN2 (see page 133) and then press the **OK** soft key.

Price per unit : option used to set the cost of one unit; this price per unit is applied when calculating the cost of your calls; you must first enter your PIN2 (see page 133) and then press the **OK** soft key.

* Shown only if supported by your SIM card.

Sound Settings

You can use the Sound Settings feature to customise various settings, such as the:

- Ring melody, volume and type
- Sounds made when you press a key, make an error or receive a message

Note : When the phone is in the silent mode (see page 28), you cannot change the sound settings.

Ring tone *(Menu 3.1)*

This option allows you to select the required ring melody.

You can choose between many different melodies. Each time you select a melody, it is played for a few seconds. If you have downloaded any sounds from the Internet or the optional EasyGPRS program, you can view the list in this menu.

Ring volume *(Menu 3.2)*

This option allows you to adjust the ring volume to one of five levels.

Use the Up and Down keys or the ▲ and ▼ keys on the left side of the phone.

Ring type *(Menu 3.3)*

This option allows you to specify how you are to be informed of any incoming calls.

The following options are available.

Light only: only the backlight is switched on; the phone neither rings nor vibrates.

Ring: the phone rings using the ring melody selected via the **Ring tone** menu option (**Menu 3.1**); see page 78.

Vibrate only: the phone vibrates but does not ring.

Vibrate + ring: the phone first vibrates three times and then starts ringing.

Keypad tone *(Menu 3.4)*

This option allows you to select the tone that the keypad generates when you press a key.

The following options are available.

Off: the keys do not make any sound.

Tone: each key, when pressed, generates a pure sound.

Piano: each key, when pressed, generates a different note in the musical scale.

Tone : each key, when pressed, makes a different sound.

Beep: each key, when pressed, makes the same sound.

Alert on (Menu 3.5)

This option allows you to select how the phone informs you that a new message has been received.

SMS alert on (Menu 3.5.1)

This option allows you to select how the phone informs you that a new SMS message has been received.

The following options are available.

Off: the phone does not use the SMS tone.

Light only: the service light below the external display flashes.

Vibrate only: the phone vibrates.

Single beep: the phone beeps once.

SMS alert 1 to **SMS alert 3**: the phone uses an SMS tone. You are provided with several SMS tones.

Cell broadcast alert on (Menu 3.5.2)

This option allows you to select how the phone informs you that a new cell broadcast (CB) message has been received.

The following options are available.

Off: the phone does not use the CB tone.

Light only: the service light below the external display flashes.

Vibrate only: the phone vibrates.

Single beep: the phone beeps once.

CB alert 1 to **CB alert 3**: the phone uses a CB tone. You are provided with several CB tones.

Open phone on (Menu 3.6)

This option allows you to turn on or off the sounds that the phone generates when you open the phone.

The following options are available.

Off: no sound is generated.

Futuristic: the phone generates a futuristic sound.

Crystal clear: the phone generates a crystal clear sound.

Power on/off (Menu 3.7)

This option allows you to turn on or off the sounds that the phone generates when it is switched on and off.

The following options are available.

Off: when you switch the phone on and off, you do not hear a jingle.

Default jingle: when you switch the phone on and off, you hear the default jingle.

Cheerful: when you switch the phone on and off, you hear a cheerful jingle.

IrDA port

n (Menu 4.2)

You can change the background image and the menu display style according to your preference.

ap (Menu 4.2.1)

This option allows you to change the background image (wallpaper) to be displayed in idle mode.

To change the background image, proceed as follows.

1. Scroll through the list by pressing the Up or Down key.

   You have various preset images available. You can also select a blank background or any images downloaded from the Internet or the optional EasyGPRS program.

2. Press the soft key when the required image is highlighted.

   The selected image is displayed.

3. To change the colour of the text displayed on the idle screen, press the soft key and select the required colour. Otherwise, press the soft key.

4.

Current date and time on top of the wallpaper image	soft key.
Wallpaper image only	o soft key.

n (Menu 4.2.2)

This option allows you to select the menu display style. You can choose between and .

G n a (Menu 4.3)

This option allows you to set a greeting message to be displayed briefly when the phone is switched on. When you select this menu option, the current message is displayed.

o...	h n p h ...
Clear the existing message	key and hold it down until the message is cleared.
Enter a new message	Appropriate alphanumeric keys.
Change the text input mode	soft key.

For information on how to enter characters, refer to page 42.

m (Menu 4.4)

This feature allows you to:

- Assign a name to your own phone number registered on your SIM card
- Edit the name and number

This function is a memory aid, which you can use to check your own phone number if you need to do so.

Any changes made here do not in any way affect the actual subscriber number on your SIM card.

Lan a *(Menu 4.5)*

You can select a display language. When the language option is set to oma c., the language is automatically selected according to the language of the SIM card used.

s c. *(Menu 4.6)*

The Security feature enables you to restrict the use of your phone to:

- The people of your choice
- The types of calls of your choice

Various codes and passwords are used to protect the features of your phone. They are described in the following sections (see also pages 131-134).

N ch c.k *(Menu 4.6.1)*

When the PIN Check feature is enabled, you must enter your PIN each time you switch the phone on. Consequently, any person who does not have your PIN cannot use your phone without your approval.

N o : Before disabling the PIN Check feature, you must enter your PIN.

To change your PIN, refer to the **chan N** menu option (**n 4.6.2**).

The following options are available.

D a : the phone connects directly to the network when you switch it on.

Ena : you must enter the PIN each time the phone is switched on.

chan N *(Menu 4.6.2)*

This feature allows you to change your current PIN to a new one, provided that the PIN Check feature is enabled. You must enter the current PIN before you can specify a new one.

Once you have entered a new PIN, you are asked to confirm it by entering it again.

hon Lo.k *(Menu 4.6.3)*

When the Phone Lock feature is enabled, the phone is locked and you must enter the 8-digit phone password each time the phone is switched on.

The password is factory set to 00000000. To change the phone password, refer to the **chan a / o** menu option (**n 4.6.4**) below.

Once the correct password has been entered, you can use the phone until you switch it off.

The following options are available.

D a : you are not asked to enter the phone password when you switch the phone on.

Ena : you are required to enter the phone password when you switch the phone on.

chan a / o *(Menu 4.6.4)*

The Change Password feature allows you to change your current phone password to a new one. You must enter the current password before you can specify a new one.

The password is factory set to 00000000. Once you have entered a new password, you are asked to confirm it by entering it again.

hon n

SI Lock *(Menu 4.6.5)*

When the SIM Lock feature is enabled, your phone only works with the current SIM. You must enter the SIM lock code.

Once you have entered the SIM lock code, you are asked to confirm it by entering it again.

To unlock the SIM, you must enter the SIM lock code.

FDN mode *(Menu 4.6.6)*

The FDN (Fixed Dial Number) mode, if supported by your SIM card, allows you to restrict your outgoing calls to a limited set of phone numbers.

The following options are available.

Disable: you can phone any number.

Enable: you can only call phone numbers stored in the phonebook. You must enter your PIN2.

No : Not all SIM cards have a PIN2. If your SIM card does not, this menu option is not displayed.

To change your PIN2, refer to the **change PIN2** menu option (**n 4.6.7**) below.

change PIN2 *(Menu 4.6.7)*

The Change PIN2 feature allows you to change your current PIN2 to a new one. You must enter the current PIN2 before you can specify a new one.

Once you have entered a new PIN2, you are asked to confirm it by entering it again.

No : Not all SIM cards have a PIN2. If your SIM card does not, this menu option is not displayed.

o L h *(Menu 4.7.3)*

Using this feature, you can specify the time for which the backlight is to be used. This feature helps conserve your battery power.

The following options are available.

D a : the backlight is used according to the setting in the **B k L h** menu option (**n 4.7.2**); see page 89.

Ena : the backlight is used only during the specified period during the day. Set the start and end times in hours and minutes, using the appropriate number keys.

L h *(Menu 4.7.4)*

This option allows you to select whether or not the service light on the folder cover is used and in which colour it flashes.

Select one of the five colours available. When the phone is ready for use, the service light will flash in the appropriate colour.

If you do not wish to use the service light, select **ff**.

G aph Lo o *(Menu 4.7.5)*

This option allows you to display your operator's logo instead of its name.

ff: the operator name is displayed in idle mode.

n: the operator logo stored in your phone is displayed in idle mode; if no logo has been stored, the operator name is displayed.

E/ a s n *(Menu 4.8)*

You can turn the automatic redialling or answering features on or off.

o na f a ...	h n p h ...
On	N soft key. A check mark is displayed in front of the option.
Off	soft key. The check mark is no longer displayed.

The following options are available.

oR d a : when this option is checked, the phone makes up to ten attempts to redial a phone number after an unsuccessful call.

N o : The interval between two call attempts varies.

o : when this option is checked, you can simply open the phone to answer a call.

When it is unchecked, you must open the phone and press a key, depending on the setting of the **n k n /** option (see below).

n k n / : when this option is checked, you can answer an incoming call by pressing any key, except the key and the **R** soft key. To reject the call, press the key or the **R** soft key.

When this option is unchecked, you can only press the key or the **p** soft key.

R n *(Menu 4.9)*

You can easily reset your phone to its default settings. To do so, proceed as follows.

1. Select the **R n** menu option.
2. Enter the 8-digit phone password and press the **K** soft key.

N o : The password is preset to 00000000. To change this password, refer to page 87.

an

The Organiser feature enables you to:

- View the calendar and organise your schedule
- Define a list of things to do
- Set the current date and time
- Set the alarm so that the phone rings at a specific time (to remind you of an appointment for example)
- Use the phone as a calculator for basic mathematical equations or currency exchange operations

a nda *(Menu 5.1)*

With the Calendar feature, you can:

- Consult the calendar
- Write memos to keep track of your schedule and trigger an alarm if necessary

on n h a nda

When you select the a nda menu option (n **5.1**), the calendar is displayed. The following options are available when you press the p on soft key.

a h a displays all memos set, regardless of the day and starting with the oldest. To scroll through the memos, press the Up or Down key.

D a allows you to delete all memos. You are asked to confirm your action.

Go o da : allows you to jump to a specific date.

E : exits the Calendar feature and returns to the idle mode.

n a mo

To write or edit a memo on a specific date, proceed as follows.

1. Select the required date in the calendar, using the navigation keys.

   N o : To skip to the previous or next month, press the ▲ or ▼ keys on the left side of the phone.

2. Press the soft key.

   An empty memo screen is displayed to allow you to enter your memo.

3. Enter your memo and then press the K soft key.

   N o : For information on how to enter characters, refer to page 42.

   You are asked if you wish to set the alarm.

4. If you want the alarm to ring on the chosen day, press the soft key.
   Otherwise, press the N o soft key.

5. If you pressed the soft key, set the time for the alarm and press the K soft key.

   You can select a melody for the alarm by pressing the soft key.

   The colour of the date is changed to green to indicate that a memo exists.

/ n a mo

When you select a day for which a memo already exists on the calendar, the most recent memo on that day is displayed.

If several memos exist, you can browse through them using the Up and Down keys.

To add a new memo on the same day, press the N / soft key.

The following options are available when you press the p on soft key.

Ed : allows you to change the memo text.

m: allows you to set an alarm to ring on the chosen day. If the alarm is already set, you can change or remove it.

D : allows you to delete the memo.

op o: allows you to copy the memo to another date and/or time.

o o: allows you to change the date and/or time of the memo.

N o : For information on how to enter characters, refer to page 42.

o Do L (Menu 5.2)

This feature allows you to:

- Draw up a list of tasks to be done
- Assign a priority and deadline to each task
- Sort the tasks by priority and status mark

h o Do L

1. Press the N soft key.
2. Enter the first task.

   N o : You can enter up to 40 characters. For information on how to enter characters, see page 42.
3. Press the K soft key.
4. Select high, normal or low priority using the Up or Down key and press the soft key.
5. Enter your deadline.

   If you do not want to set a deadline, press the k p soft key.
6. Press the K soft key.

h o Do L

If tasks are already defined in the To Do List when you select the o Do L menu option (n 5.2), the current contents are displayed with a status mark and priority (for high, for normal and for low).

The following options are available.

o...	h n...
View the details for a specific task	• Highlight the task. • Press the soft key. • Scroll through the tasks using the Up and Down keys, if necessary.
Change the status of a specific task	• Highlight the task. • Press the key to mark the task as completed as of the current date and time. or • Highlight the task. • Press the p on soft key. • Select the a k option. • Select the appropriate status (Don or n o).
Create a new task	• Press the N p on soft key. • Select the option. • Enter the text, priority and deadline for the task.
Edit an existing task	• Highlight the task. • Press the p on soft key. • Select the E option. • Change the text, priority and deadline for the task.
Sort the existing tasks by priority or status	• Press the p on soft key. • Select the o option. • Select the sort criterion (H h, Lo , Don or n o).

o...	h n...
Copy a task	• Highlight the task. • Press the p on soft key. • Select the <cop option. • Change the text, priority and deadline for the task as required.
Copy a task to the calendar	• Highlight the task. • Press the p on soft key. • Select the <cop o option. • Change the text and deadline for the task and set the alarm as required.
Delete a task	• Highlight the task. • Press the p on soft key. • Select the D option.
Delete all tasks	• Press the p on soft key. • Select the D option. • Confirm the deletion by pressing K.
Exit the To Do List	• Press the p on soft key. • Select the E option.

m & Da *(Menu 5.3)*

This option allows you to change the current time and date displayed. You can also check the current time for Greenwich Mean Time (GMT) and 21 major cities around the world.

The following options are available.

m : allows you to enter the current time. You can choose the time format via the **m** menu option (**n 5.3.4**).

o : Before setting the time, you must specify your time zone, in the **o m** menu option (**n 5.3.3**).

Da : allows you to enter the day, month and year.

o m : allows you to check the current time for Greenwich Mean Time (GMT) and 21 major cities around the world, using the Left and Right keys.

The screen shows the:

- City name
- Current date and time
- Time difference between the selected city and your city if you have set the local time (see below for further details) or GMT (by default)

To select the time zone in which you are located, proceed as follows.

1. Select the city corresponding to your time zone by pressing the Left or Right key one or more times.
   The local date and time are displayed.

2. Press the soft key.

m : allows you to change the time format to **24 o** or **12 o**.

m *(Menu 5.4)*

This feature allows you to:

- Set the alarm to ring at a specific time
- Set the phone to switch on automatically and ring the alarm even if the phone is switched off (opo/ menu option set to Ena)

The following options are available.

n . m: the alarm rings only once and is then deactivated.

Da m: the alarm rings every day at the same time.

o n n i the alarm rings to wake you up in the morning.

To set the alarm, proceed as follows.

1. Choose the type of alarm to be set.
2. Enter the required time.
3. Press the **K** soft key.
4. If you select o n n in Step 1, select the repeat option: onda o da or onda o Sa da .

R mo m: deactivates all alarm settings.

opo/ : if this option is set to Ena , the alarm will ring at the specified time, even when the phone is switched off.

If the menu option is set to D a and the phone is switched off at the specified time, the alarm will not ring.

To stop the alarm when it rings, open the phone and press the E/ soft key.

When setting or viewing an alarm, the following options are available when you press the p on soft key.

R mo m: allows you to deactivate the current alarm.

m So nd : allows you to select the alarm melody.

O *(Menu 5.5)*

With this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions: addition, subtraction, multiplication and division.

U n h O

1. Enter the first number using the numeric keys.
2. Press the right soft key until the required arithmetic symbol appears: **+** (add), (subtract), ***** (multiply), **/** (divide).
3. Enter the second number.
4. Repeat Steps 1 to 3 as many times as required.

N o :

- To erase any mistakes and clear the display, press the key.
- To include a decimal point or a bracket, press the left soft key until the required symbol is displayed.

5. To calculate the result, press the key.

c nc. Exchan (Menu 5.6)

Using this menu option, you can make currency conversions.

1. Enter the current exchange rate of your source currency and press the **K** soft key.

   You can insert a decimal point by pressing the # key.

2. Enter the amount for which you wish to conduct the currency conversion and press the **K** soft key.

   The exchange rate, local currency amount you entered and the equivalent value in the foreigh currency are displayed.

3. Press the **Ex** soft key to exit the currency convertor.

N oks c

These menu functions are network services. Please contact your service provider to check their availability and subscribe to them, if you so wish.

Call D n (Menu 6.1)

This network service enables incoming calls to be rerouted to the number that you specify.

Example: You may wish to divert your business calls to a colleague while you are on holiday.

Call diverting can be set up in the following ways.

D : all calls are diverted.

B : calls are diverted if you are already on the phone.

No R p : calls are diverted if you do not answer the phone.

U n a ha : calls are diverted if you are not in an area covered by your service provider.

can all call diverting options are cancelled.

You can specify individual diverting options for each of the following call types:

- Voice calls only
- Data calls only

To set your call diverting options, proceed as follows.

1. Select the type of call diverting required by pressing the Up or Down key until the appropriate option is highlighted, and then press s -l e. .
2. Select the type of calls to be diverted by pressing the Up or Down key until the appropriate option is highlighted and then press s -l e. .

   The current status is displayed. If the option has already been set, the number to which the calls are diverted is displayed.

3.

o...	h n p h ...
Activate call diverting	e. ' a soft key. Go to Step 4.
Change the call number	chan soft key. Go to Step 4.
Deactivate call diverting	R mo' soft key.

4. Enter the number to which the calls are to be diverted and press K.
   To enter the international code, press the **0** key until the **+** sign is displayed.
5. If you have selected the N o R p -l option, set the length of time for which your phone rings before the call is diverted and press the s -l e. soft key.

   The phone sends your settings to the network and the network's acknowledgement is displayed.

You can deactivate all call diverting settings by selecting the can e. -l -ll option.

ca-llBa n *(Menu 6.2)*

The call barring network service allows you to restrict your calls.

Call barring can be set up in the following ways.

-ll o n : calls cannot be made.

In na ona-l international calls cannot be made.

In na ona-l E/e. p o H om : when abroad, calls can be made only to numbers within the current country and to your home country, which is the country where your home network provider is located.

-llIn.om n : calls cannot be received.

In.om n h -l oad: calls cannot be received when you are using your phone outside your home service area.

can e. -l -ll all call barring settings are deactivated; calls can be made and received normally.

You can specify individual barring options for each of the following call types:

- Voice calls only
- Data calls only

To set your call barring options, proceed as follows.

1. Select the type of call barring required by pressing the Up or Down key until the appropriate option is highlighted and then press the s -l e. soft key.
2. Select the type of calls to be barred by pressing the Up or Down key until the appropriate option is highlighted and then press s -l e. .

3. Press the ⁄ ⁄ a soft key to confirm your settings.

4. Enter your call barring password supplied by your service provider.

   The phone sends your settings to the network and the network's acknowledgement is displayed.

To deactivate specific call barring settings, proceed as follows.

1. Select the call barring option to be deactivated.

2. Select the type of call to which this option applies.

3. Press the **D** ⁄ ⁄ a soft key.

4. Enter your call barring password supplied by your service provider.

   The phone sends your settings to the network and the network's acknowledgement is displayed.

You can also deactivate all call barring settings by selecting the ⁄ ⁄ option.

⁄ ⁄ Ba n ⁄ a / o d: you can set and change the call barring password obtained from your service provider using this option. You must enter the current password before you can specify a new one.

Once you have entered a new password, you are asked to confirm it by entering it again.

⁄ ⁄ a n *(Menu 6.3)*

This network service enables you to be informed when someone is trying to reach you during another call.

You can specify individual call waiting options for each of the following call types:

- Voice calls only
- Data calls only

To set your call waiting options, proceed as follows.

1. Select the type of calls to which the call waiting option is to be applied by pressing the Up or Down key until the appropriate option is highlighted and then press ⁄ ⁄ .

   The screen informs you whether call waiting is activated or deactivated.

2. You can activate or deactivate the call waiting feature as necessary by using the ⁄ ⁄ a or **D** ⁄ ⁄ a soft key respectively.

   To return to the previous screen, press the **E/** soft key.

You can also deactivate all call waiting settings by selecting the ⁄ ⁄ option.

N / o k s / e. on *(Menu 6.4)*

The Network Selection feature enables you to indicate whether the network used when roaming (outside your home area) is selected automatically or manually.

N o : You can select a network other than your home network only if it has a valid roaming agreement with your home network.

To indicate whether the network is to be selected automatically or manually when roaming, proceed as follows.

1. When **N / o k s / e. on** is displayed, press the **s / e.** soft key.
2. Press the Up or Down key until the appropriate option is highlighted and then press the **K** soft key.

   If you select **oma c.**, you are connected to the first available network when roaming.

   If you select **an a /** the phone scans for the available networks. Go to Step 3.
3. Press the Up or Down key until the preferred network is highlighted and then press the **K** soft key.

   You are connected to that network.

a / ID *(Menu 6.5)*

You can prevent your phone number from being displayed on the phone of the person being called.

N o : Some networks do not allow the user to change this setting.

The following options are available.

D fa / : the default setting provided by the network is used.

H / d N m : your number is not displayed on the other person's phone.

s nd N m : your number is sent each time you make a call.

co d U G o p (C G) *(Menu 6.6)*

This network service allows incoming and outgoing calls to be restricted to a selected user group. You may be a member of up to ten user groups.
For details on how to create, activate and use a closed user group, contact your service provider.

Example: A company lends SIM cards to its employees and wants to restrict outgoing calls to members of the same team.

If you select the **co d U G o p** menu, you can enter the CUG function. You can now access the following options after pressing the **s / e.** soft key.

Ind / L : lets you list, add or delete CUG index numbers. The list of current CUG indexes appears.

Add a new CUG index as advised by your service provider or delete a selected group.

o...	h n p h ...
Scroll through the existing CUG indexes	Up or Down key.
Add a new CUG index	p on soft key, select the ⊂⊂ option and enter the index.
Delete a CUG index	p on soft key and select the D ⌐ option.
Activate a CUG index	p on soft key and select the ⊂. ' a option.

⊂ ⊂⊂. : lets you enable or disable calls to numbers other than those nominated for the Closed User Group. This feature depends on the nature of your CUG subscription. Please check with your service provider.

D fa ⌐ G o p: you may set a default CUG with your service provider. If you have done so, you can enable the D fa ⌐ G o p option on your phone. When making a call, you are given the option of using your default CUG, instead of selecting one from the list.

D ⊂⊂. ' a : deactivates the CUG function. This menu appears only when the default group is enabled or a CUG index is selected.

Band ⊂ ⌐⊂. on *(Menu 6.7)*

For the phone to make and receive phone calls, it must register with one of the available networks. Your phone can handle any of the following types of network:

- GSM 900
- GSM 1800
- Combined GSM 900/1800
- GSM 1900

The country where you purchased your phone determines the default band that it uses. When you travel abroad, you must remember to change to an appropriate band.

1. When Band ⊂ ⌐⊂. on is displayed, press the ⊂ ⌐⊂. soft key.
2. Press the Up or Down key until the appropriate option (G⊂ 900/1800 or G⊂ 1900) is highlighted and press the K soft key.
3. To confirm your selection, press the soft key. Otherwise, press N ▼ o.

   When you select a new band, your phone displays a confirmation message and then automatically searches for all available networks. It then registers with a preferred network within the selected band.

Fun & Games

The Fun & Games menu contains several fun options.

Game *(Menu 7.1)*

You can enjoy games with your phone.

Scroll to a game, using the Up or Down keys and press the Select soft key.

The following options are available.

New Game: allows you to start a new game.

High Score: shows you the High Score table.

Key Info: shows you which keys do what within the game.

Continue: allows you to continue a previously saved game. This option is only available when a game has already been saved.

To pause a game, press	the key.
Pause or resume the game	key.
Exit the game	key.

At the end of the game, if your score is ranked fifth or higher, you can enter a name of up to ten characters.

Honey Ball *(Menu 7.1.1)*

The goal of the game is to break honey blocks by bouncing a ball between a bat and the honey blocks.

When you start a new game, the ball is sitting on the bat in the middle of the screen. Once you start the ball moving, you must position the bat, so that the ball continues to bounce off it. Each time the ball hits a honey block, the block breaks, sometimes revealing letters that enhance the efficiency of the bat or ball:

B: the bat and ball change back to their standard form.

: the ball sticks to the bat each time it hits it, giving you time to optimise your position.

H: the bat increases in length.

: the ball is changed into a power ball, so that it no longer bounces off the blocks. It goes straight through them, destroying anything that it touches.

If you reach the final stage of the game, the rules are slightly different. The honey blocks are much stronger and need to be hit more than once before they are destroyed. At the same time, small bees attack the bat, damaging it a little each time until it is destroyed and you lose a life.

Key command

To...	Press the ...
Slope up	**3** key.
Slope down	**1** key.
Move left	**4** or Left key.
Move right	**6** or Right key.
Hit the ball	**9**, **5**, or the left soft key.

Hamster Box *(Menu 7.1.2)*

The goal of the game is to occupy more spaces within the given time, while avoiding the enemies.

When you start a new game by pressing the key, you are allowed to move around or stop if necessary using the various keys, so that you can occupy more spaces.

If the hamster or the line drawn by it is touched by the enemy, the hamster is killed. As the number of enemies decreases, it is easier for you to occupy the spaces.

After you have occupied all the spaces, you can go on to the next stage. When the game is over, you can play again by pressing the **7** key, or display your score by pressing the **9** key.

Key command

To...	Press...
Move up	**2** or Up key.
Move down	**8** or Down key.
Move left	**4** or Left key.
Move right	**6** or Right key.
Stop	**5**, or the left soft key.

Bowling *(Menu 7.1.3)*

The goal of the game is to knock down a triangular group of ten pins by rolling a ball.

When you start a new game, you can select the required mode, character and ball by pressing the key.

When the game starts, the screen shows the character and ball. Move the character first, then select the spin and direction, and finally set the power of the ball.

Key command

To...	Press...
Move left	**4** or Left key.
Move right	**6** or Right key.
Set the speed or spin or throw the ball	**5**, or the left soft key.
Turn the sound on or off	* key.

B o/ *(Menu 7.2)*

Your phone is equipped with a WAP (Wireless Application Protocol) Browser to allow you to access and navigate the Wireless Web via your phone.

H om *(Menu 7.2.1)*

This option allows you to connect the phone to the network and load the homepage of the Wireless Web service provider. You can also press the key in idle mode.

The content of the WAP Browser startup homepage depends on your Wireless Web service provider. To scroll through the screen, use the Up and Down keys.

N o : To access the startup homepage from any other screen in the WAP Browser, use the H om menu option. For more information on the WAP Browser menus, see page 117.

N a a n h B o/

o...	h n...
Scroll through and select browser items	Press the Up and Down key until the ► symbol points to the required item or the item is highlighted, and then press the K soft key to confirm the selection.
Select a numbered item	Press the corresponding numeric key.
Return to the previous page	Press the B k soft key or the key.

o...	h n...
Return to the startup homepage	Select the H om menu option; for more information on this option, see below.
Change text entry modes	Press the key one or more times.
Enter a space	Press the # key.
Edit text	① Set the cursor to the right of the character(s) to be corrected. ② Press the key as required. ③ Enter the correct character(s).

N o : For further details about the text entry modes, see page 42.

E/ n h B o/

To exit the browser at any time, simply press the \ key or press and hold down the key.

n and n B o/ n p on

Various menu options are available when you are using the WAP Browser to navigate the Wireless Web.

To access a menu option, proceed as follows.

1. Press and hold down the * key.
   A menu is displayed.

2. Highlight the required menu option by pressing the Up and Down keys.

3. Select the option by pressing the left soft key.

4. If necessary, select the secondary option using the Up and Down keys, and press the left soft key to confirm.

N o : The menus may vary, depending on your version of the WAP Browser.

The following menu options are available.

R -oad: reloads the current page.

H om : takes you back at any time to the homepage of the Wireless Web service provider.

Go o U RL: allows you to enter manually the URL address of the required Web page.

After entering an address, press the **K** soft key to go there directly.

ho/ U RL: displays the URL address of the site to which you are currently connected.

It also enables you to declare the current site as the startup homepage.

o...	**h n...**
Declare the current page as your startup homepage	Press the **p on** soft key, select the **a' o H om** option and press .
Set a bookmark for the current page	Press the **p on** soft key, select the **a' o Bookma k** option and press .
Cancel your setting	Press the **Ba .k** soft key.

Ed H om : allows you to change the startup homepage manually.

To change the homepage, enter the required URL and press the **K** soft key.

For more information on entering text, numbers or symbols, refer to page 42.

In o/ : allows you to read messages received from the Web server.

o *(Menu 7.2.2)*

This option allows you to store the URL addresses of your favourite Web sites. You can access this menu directly by pressing and holding down the key while using the WAP Browser.

To store a URL address, proceed as follows.

1. Select an empty location and press the **p on** soft key.
2. Enter the address and press the **En** soft key.
3. Enter a name for your favourite Web site and press the **En** Af79.5s7(ou8(vhileme 0ur y)13.7(our fa)9.4(v)9 ady(soft Y)66.2(used press th024.1478 -1.250eed ashile [(Th

	PPP server password.
	PPP server phone number.
	or .

When the bearer is set to

	User ID required to connect to the GPRS network.
	Password required to connect to the GPRS network.
	Access point name used for the address of the GPRS network gateway.

: The WAP Browser settings may vary, depending on the service provider. Contact your service provider for more information.

(Menu 7.2.5)

You can clear the information stored in the cache (the phone's temporary memory used to store the most recently accessed Web pages).

Press the soft key to confirm the deletion. Otherwise, press the soft key.

(Menu 7.2.6)

You can set whether or not you wish to receive Web messages from the server, and if applicable, to read and/or delete the messages received.

The following options are available.

: allows you to read the messages received from the Web server.

: allows you to set whether or not you wish to receive Web messages. Select to receive the messages. Otherwise, select .

allows you to delete all Web messages received.

(Menu 7.3)

You can listen to the FM radio on your phone by using the ear-microphone supplied with the phone.

To turn the radio on, proceed as follows.

1. Plug the connector of the ear-microphone into the jack on the left side of the phone.
2. Select the menu option (**7.3**) or press the Up key in idle mode.

   The name and/or frequency of the last radio channel to which you listened are displayed.
3. If you have already saved radio channels, scroll to the channel to which you wish to listen by using the Up and Down keys.

   : You can adjust the volume by pressing the Left and Right keys or the ▲ and ▼ keys on the left side of the phone. Use the # key to mute or unmute the sound.
4. If you wish to use other phone functions while listening to the radio, press the key or the soft key to exit the Radio screen.

N o :

- When the ear-microphone is disconnected, the radio automatically turns off.
- The quality of the radio broadcast depends on the radio station coverage in your area.

On the Radio screen, the following options are available when you press the **p on** soft key.

chann -L : stores up to 20 radio channels. When you select a channel in the list, the following options are displayed.

Listen: allows you to listen to the radio channel.

Edit: allows you to edit the name and frequency of the channel.

N o : For further details about entering text, see page 42. When entering a frequency, you do not need to enter the decimal point.

Delete: deletes the channel from the list.

o n n : allows you to start a channel search through the available radio channels. Press the Up or Down key until you find the channel to which you wish to listen. Press the **Sa** soft key to add it to the channel list.

an a- n n : allows you to increase or decrease the frequency in 0.1 MHz increments. Press the Up or Down key until you find the channel to which you wish to listen. Press the **Sa** soft key to add it to channel list.

S n. : if you know the frequency of the radio channel you want to save, between 87.5 MHz and 108.0 MHz, you can enter it directly and press the **Sa** soft key.

N o : When entering a frequency, you do not need to enter the decimal point.

Rad o ff: turns the radio off and returns to the idle screen.

N o : You can answer an incoming call while listening to the radio. The volume of the radio is automatically muted. When you end the call, the radio turns back on.

To turn the radio off, use the **Rad o ff** option or disconnect the ear-microphone.

Do/ n-oad *(Menu 7.4)*

You can download MIDlets (Java applications running on mobile phones) from various sources using the WAP Browser and store them in your phone. You can then view the list of MIDlets stored on the Games & More screen.

N o : Java services may be unavailable, depending on the service provider.

Gam & o *(Menu 7.4.1)*

This menu option allows you to launch a MIDlet and access various menu options.

La n.h n a ID-

To launch a MIDlet, proceed as follows.

1. From the Downloads screen, select the **Gam & o** option.
2. Scroll to the desired MIDlet and press the **La n.h** soft key.

U n h n

From the Main Screen press the n soft key to access the following options.

Info: displays information about the selected MIDlet, such as the file size, application version, vendor and the location of the jad file, which is the MIDlet description file.

R mo : removes the selected MIDlet. When the confirmation message appears, press the **R mo** soft key. To cancel your selection, press the **can .** soft key.

En n /

When entering URL addresses, the following input modes are available.

U pp -a .ha a . ( ): allows you to enter upper-case English characters.

Lo/ -a .ha a . (a): allows you to enter lower-case English characters.

N o : In the upper/lower-case character mode, you can enter symbols by pressing the **1** or **0** key until the required symbol is displayed.

N m (1): allows you to enter numbers.

m o allows you to enter symbols. After highlighting a symbol by pressing the navigation keys, press the key to insert it.

9 ( ): allows you to enter English characters by pressing one key per letter. In this mode, you can change the case by pressing the **0** key.

To change the text input mode, press the * key until the appropriate indicator appears in the soft key area of the display.

o nd *(Menu 7.4.2)*

In this menu, you can view the list of sounds downloaded from the server. You can set the downloaded sounds as the current ring tone, but cannot send the sounds to other phones.

When the memory is full, a warning message is displayed and the phone rejects additional sounds until you erase obsolete ones.

. *(Menu 7.4.3)*

In this menu, you can view the list of pictures downloaded from the server. You can set the downloaded pictures as the current background image, but cannot send them to other phones.

When the memory is full, a warning message is displayed and the phone rejects additional pictures until you erase obsolete ones.

N D n *(Menu 7.4.4)*

The DNS (Domain Name Server) address of the Java server is preset at the factory, but sometimes you may need to change it. In this menu, you can determine whether or not the address will be automatically updated whenever necessary.

oma .: the server will automatically transmit the address to the phone if it is changed.

an you can manually change the address.

Solving problems

Before contacting the after-sales service, perform the following simple checks. They may save you the time and expense of an unnecessary service call.

The phone won't switch on, the display remains blank

Invalid SIM card

- Check that the SIM card is correctly installed.

Phone Locked Enter code

- The automatic locking function has been enabled. You must enter the phone's password before you can use the phone.

Enter PIN

- You are using your phone for the first time. You must enter the Personal Identification Number supplied with the SIM card.
- The PIN Check feature is enabled. Each time the phone is switched on, the PIN must be entered. To disable this feature, use the PIN check menu option (**menu 4.6.1**).

Enter PUK

- The PIN code was entered incorrectly three times in succession and the phone is now blocked. Enter the PUK supplied by your network operator.

No network, network overloaded or connection dropped

- The network connection was lost. You may be in a weak signal area (in a tunnel or surrounded by buildings). Move and try again.
- You are trying to access an option for which you have not taken out a subscription with your service provider. Contact the service provider for further details.

The phone cannot make outgoing calls

- Have you pressed the key?
- Are you accessing the right cellular network?
- You may have set an outgoing call barring option.

The correspondent cannot reach me

- Is your phone switched on (the key pressed for more than one second)?
- Are you accessing the right cellular network?
- You may have set an incoming call barring option.

The correspondent cannot hear me

- Have you switched off the microphone?
- Are you holding the phone close enough to your mouth? The microphone is located at the bottom of the phone.

The phone and the message "Enter Unlock Code" appear when you switch it on

- The battery is insufficiently charged. Replace the battery and/or recharge it.

The signal strength is poor

- Check the signal strength indicator in the display (); the number of bars indicates the signal strength from strong () to weak ().
- Try moving the phone slightly or moving closer to a window if you are in a building.

No number is found when you search the phonebook

- Check that the number has been stored correctly, by using the Phonebook Search feature.
- Re-store the number, if necessary.

If the above guidelines do not help you to solve the problem, take a note of:

- The model and serial numbers of your phone
- Your warranty details
- A clear description of the problem

Then contact your local dealer or Samsung after-sales service.

Security

There are several access codes that are used by your phone and its SIM card. These codes help you protect the phone against unauthorised use.

When requested for any of the codes explained below, key in the appropriate code (displayed as asterisks) and press the **K** soft key. If you make a mistake, press the C key one or more times until the incorrect digit is cleared and then continue entering the correct code.

The access codes, except for the PUK and PUK2 codes can be changed using the Security menu options (**4.6**). See page 86 for further details.

Important! Avoid using access codes resembling emergency numbers, such as 112, so that you do not dial an emergency number accidentally.

Phone Lock

The Phone Lock feature uses the phone password to protect your phone against unauthorised use. The phone password is supplied with the phone and is factory set to 00000000.

To...	Refer to...
Activate/deactivate the Phone Lock feature	Page 87 (**4.6.3**).
Change the phone password	Page 87 (**4.6.4**).

N

The Personal Identification Number or PIN (4 to 8 digits) protects your SIM card against unauthorised use. It is usually supplied with the SIM card.

If you enter an incorrect PIN three times in succession, the code is disabled and cannot be used until you re-enable it by entering the PUK (see below).

o...	**R f o...**
Activate/deactivate the PIN Check feature	Page 86 (**n 4.6.1**).
Change the PIN	Page 87 (**n 4.6.2**).

K

The 8-digit PUK (IN nblocking **K**ey) is required to change a disabled PIN. The PUK may be supplied with the SIM card. If not, or you have lost it, contact your service provider.

To re-enable your PIN, proceed as follows.

1. Key in the PUK and press the **K** soft key.
2. Enter a new PIN of your choice and press the **K** soft key.
3. When the **conf m N / N** message is displayed, key in the same code again and press the **K** soft key.

If you enter an incorrect PUK ten times in succession, the SIM card becomes invalid. Contact your service provider for a new card.

N 2

The PIN2 (4 to 8 digits), supplied with some SIM cards, is required to access specific functions, such as setting the maximum cost of a call. These functions are available if supported by your SIM card.

If you enter an incorrect PIN2 three times in succession, the code is disabled and you cannot access the functions until you re-enable it by entering the PUK2.

To change the PIN2, refer to page 88 (**n 4.6.7**).

K2

The 8-digit PUK2 (IN nblocking **K**ey **2**), supplied with some SIM cards, is required to change a disabled PIN2. If you lose the code, contact your service provider.

To re-enable your PIN2, proceed as follows.

1. Key in the PUK2 and press the **K** soft key.
2. Enter a new PIN2 of your choice and press the **K** soft key.
3. When the **conf m N 2** message is displayed, key in the same code again and press the **K** soft key.

If you enter an incorrect PUK2 ten times in succession, you will not be able to access the functions requiring the PIN2. Contact your service provider for a new card.

Barring Password

The 4-digit barring password is required when you use the Call Barring function. You obtain the password from your service provider when you subscribe to this function. You can change this password in the Call Barring menu option (Menu 6.2). See page 105 for further details.

Health and Safety Information

Exposure to Radio Frequency Energy (SAR Information)

This phone meets European Union (EU) requirements concerning exposure to radio waves.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured, so as not to exceed the limits for exposure to radio-frequency (RF) energy, as recommended by the EU Council. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The limits include a substantial safety margin designed to ensure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as SAR (Specific Absorption Rate). The SAR limit recommended by the EU Council is 2.0 W/kg.*

* The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of body tissue. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. The SAR values may vary depending on national reporting requirements and the network band.

SAR tests are conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the phone.

Before a new model phone is available for sale to the public, compliance with the European R&TTE Directive must be shown. This directive includes as one of its essential requirements the protection of the health and safety of the user and any other person.

Caring for the Battery

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby times are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging times depend on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.

- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and life-time of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and – terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuit.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips.

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an extra layer of convenience and safety to your wireless phone with one of the many hands-free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a To Do List or flipping through your phonebook takes your attention away from your primary responsibility, driving safely.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Make the people with whom you are talking aware that you are driving and suspend conversations that have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Dial the emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!

9. Use your wireless phone to help others in emergencies. If you see a car accident, crime in progress or other serious emergency where lives are in danger, call the emergency number, as you would want others to do for you.

10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or any other special non-emergency wireless number.

p a n En´ onm n

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

E-l . on . D ´ .

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

ar. mak

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on
- Should not carry the phone in a breast pocket
- Should use the ear opposite the pacemaker to minimise potential interference

If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle.

You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch off your phone in any facility where posted notices require you to do so.

Potentially Explosive Atmosphere

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone while at a refuelling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember that to make or receive any calls, the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call, proceed as follows.

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 112 or any other official emergency number). Emergency numbers vary by location.
3. Press the key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Health Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch off your phone before boarding an aircraft. The use of wireless phones in aircraft may be dangerous to the operation of the aircraft, and is illegal.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not touch the phone with wet hands while it is charging. Doing so may give you an electric shock or damage the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- Use only the supplied or an approved replacement antenna. Unauthorised antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Glossary

To help you understand the main technical terms and abbreviations used in this booklet and take full advantage of the features on your mobile phone, here are a few definitions.

Answer any key

Ability to answer a call simply by opening the phone.

Call Barring

Ability to restrict outgoing and incoming calls.

Call Diversion

Ability to reroute calls to another number.

Call Holding

Ability to put one call on standby while answering or making another call; you can then switch between the two calls, as required.

Call Waiting

Ability to inform users that they have an incoming call when engaged on another call.

Caller Line Identification services (Caller ID)

Services allowing subscribers to view or block the telephone numbers of callers.

GPRS (General Packet Radio Service)

New non-voice value-added service that allows information to be sent and received across a mobile telephone network. GPRS guarantees continuous connection to the Internet for mobile phone and computer users. It is based on the Global System for Mobile Communication (GSM), circuit-switched cellular phone connections and the Short Message Service (SMS).

GSM (Global system for mobile communication)

International standard for cellular communication, guaranteeing compatibility between the various network operators. GSM covers most European countries and many other parts of the world.

Java

Programming language generating applications that can run on all hardware platforms, whether small, medium or large, without modification. It has been promoted for and geared heavily to the Web, both for public Web sites and Intranets. When a Java program runs from a Web page, it is called a *Java applet*. When it is run on a mobile phone or pager, it is called a *MIDlet*.

Multiparty call

Ability to establish a conference call involving up to five additional parties.

Phone lock code

Security code used to unlock the phone when you have selected the option to lock it automatically each time it switches on.

PIN (Personal Identification Number)

Security code that protects the phone/SIM against unauthorised use. The PIN is supplied by the service provider with the SIM card. It may be a four to eight-digit number and can be changed, as required.

PUK (PIN Unblocking Key)

Security code used to unlock the phone when an incorrect PIN has been entered three times in succession. The eight-digit number is supplied by the service provider with the SIM card.

Roaming

Use of your phone when you are outside your home area (when travelling for example).

SDN (Service Dialling Number)

Telephone numbers supplied by your network provider and giving access to special services, such as voice mail, directory inquiries, customer support and emergency services.

SIM (Subscriber Identification Module)

Card containing a chip with all the information required to operate the phone (network and memory information, as well as the subscriber's personal data). The SIM card fits into a small slot on the back of the phone and is protected by the battery.

SMS (Short Message Service)

Network service sending and receiving messages to and from another subscriber without having to speak to the correspondent. The message created or received can be displayed, received, edited or sent.

Soft Keys

Two keys marked [...] and [...] on the phone, the purpose of which:

- Varies according to the function that you are currently using
- Is indicated on the bottom line of the display just above the corresponding key

Tri-band

Ability to handle any of the following types of network: GSM 900, GSM 1800, combined GSM 900/1800 and GSM 1900 MHz bands, for greater call success and wider roaming.

Your phone automatically searches for the last network used. If, for any reason, this network is unavailable, your phone will attempt to register with a different network.

Voicemail

Computerised answering service that automatically answers your calls when you are not available, plays a greeting (optionally in your own voice) and records a message.

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Access the Menu Functions	! Press the **n** soft key. @ Scroll with the Up and Down keys through the list of menus until you reach the required menu. # Press the soft key. $ Scroll with the Up and Down keys through the list of options until the required one is selected. % Press the soft key.

- *Each of the two soft keys (and) perform the function indicated by the text above it (on the bottom line of the display).*



Band H -X400 R phon

Switch On/Off	Press and hold down the key.
Make a Call	! Key in the number. @ Press the key.
End a Call	Briefly press the key.
View Missed Calls Immediately After Missing Them	! Open the phone and press the soft key. @ Scroll with the Up and Down keys through the missed calls. # To return the call, press the key.

Answer a Call	Open the phone or Press the ↷ key.
Adjust the Volume	Press the ▲ or ▼ key on the left side of the phone.
Store Numbers in the Phonebook	! Key in the number. @ Press the [illegible] soft key. # Select a category icon. $ Press the [illegible] soft key. % Select the memory. ^ Enter the name. & Press the K soft key * If necessary, change the location. (Press the K soft key.) Press [illegible] to return to the idle mode.

Search for a Number in the Phonebook	! Press the [illegible] soft key. @ Select the [illegible] option. # Enter the start of the name. $ To scroll through the names, press the Up or Down key. % Press the [illegible] soft key. ^ To scroll through the numbers, press the Up or Down keys. & Press the ↷ key to dial.
Choose the Alert Type	! Select the [illegible] menu option (3.3). @ Select an option: [illegible] # Press the [illegible] soft key.

Declaration of Conformity (R&TTE)

For the following product :

TRI BAND GSM TELEPHONE

(Product name)

SGH-X400

(Model Number)

Manufactured at :

- Samsung Electronics 94-1 Imsu-Dong, Gumi City, Kyung Buk, Korea, 730-350

(factory name, address)

to which this declaration relates, is in conformity with the following standards and/or other norma documents.

Safety	**: EN 60950:2000**
EMC	**: EN 301 489-01 (08-2000)**
	EN 301 489-07 (09-2000)
SAR	**: EN 50360:2001**
Network	**: EN 301 511 V9.0.2 (03-2003)**

We hereby declare that [all essential radio test suites have been carried out and that] the above n product is in conformity to all the essential requirements of Directive 1999/5/EC.

The conformity assessment procedure referred to in Article 10 and detailed in Annex[IV] of Directiv 1999/5/EC has been followed with the involvement of the following Notified Body(ies):

BABT, Claremont House, 34 Molesey Road, Walton-on-Thames, KT12 4RQ, UK
Identification mark: 168

The technical documentation kept at :

Samsung Electronics Euro QA Lab.

which will be made available upon request.

(Representative in the EU)

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2003.05.06

In-Seop Lee / S. Manager

(place and date of issue) (name and signature of authorized person)

* It is not the address of Samsung Service Centre. For the address or the phone number of Samsung Service Centre, see the warranty card or contact the retailer where you purchased your phone.